Author Index of Volume 38

Addou, A., 297
Ando, T., 263
Anklam, E., 209
Arakawa, Y., 303
Asmus, K.-D., 209

Banks, R. E., 217, 279, 289
Barraclough, C. G., 405
Béguin, C. G., 163
Benaïssa, T., 163
Besida, J., 405
Bosc, D., 47
Boutevin, B., 47
Brooke, G. M., 421
Bukovec, P., 107
Burton, D. J., 119, 125, 131

Candy, J.-P., 341, 355
Carré, J., 341, 355
Castro, E. A., 75
Cheng-Xue Zhao, 391
Ching-Sung Chi, 327
Conte, L., 319

Davies, P. G., 405
De-Hua Chen, 327

Easdon, J. C., 125
Egert, E., 187
Eggleston, I. M., 421
Endo, H., 243
Eujen, R., 41

Fields, R., 217
Fujita, T., 243
Fukuhara, T., 435
Furaya, C., 303

Gambaretto, G. P., 319
Gard, G. L., 3
Gervasutti, C., 319
Ghosh, G., 183
Ghosh, J. K., 183
Guo-Fei Chen, 391
Gupta, R., 153

Haenel, J., 335
Hale, F. A., 421
Hamman, S., 163
Heinze, P. L., 131
Hergett, S. C., 367
Hoppe, R., 107
Hosokawa, K., 139
Hudlicky, M., 135

Inoue, Y., 303
Ishihara, T., 263
Ito, K., 139

Janzen, A. F., 205
Joshi, K. C., 153
Jubert, A. H., 75

Kitazume, T., 243
Kodaira, K., 139
Kolasa, A., 257
Kuroboshi, M., 263

Maekawa, T., 263
Marat, R. K., 205
Mei-Jen Chen, 327
Mews, R., 399
Mohialdin, S. N., 289
Mohtasham, J., 3
Moreau, P., 19
Muramatsu, H., 139

Naito, Y., 303
Naji, N., 19
Napoli, M., 319
Nguyen, T., 95
Nieger, M., 187
Nishida, M., 139

O'Donnell, T. A., 405
Ohms, G., 335
Okano, T., 139
Olawore, N. O., 217
Ono, T., 303
Ottavianelli, E., 75

Palavit, G., 297
Paletto, J., 341
Pathak, V. N., 153
Peach, M. E., 367
Plenio, H., 187
Pulcinelli, S. H., 375

Riesel, L., 335
Rigal, G., 47
Robertson, L. W., 209
Roesky, H. W., 187
Rousseau, A., 47
Rowley, L., 115

Sakamoto, M., 243
Sami Falou, M., 217, 279
Schmidt, H.-G., 187
Semmoud, A., 297
Senegas, J., 375
Sheets, R. M., 3
Sheldrick, G. M., 187
Shin-Ya, S., 131
Shi-Quin Liang, 327
Spawn, T. D., 119, 131
Suzuki, A., 435

Terjeson, R. J., 3
Tesky, F. M., 399
Tipping, A. E., 217, 279

Ueda, T., 139

Vast, P., 297

Watanabe, S., 243
Webb, G., 115
Weiming Qiu, 175, 249
Winfield, J. M., 115

Xi-Kui Jiang, 391

Yamana, M., 263
Yamanouchi, K., 303
Yanchang Shen, 175, 249
Yokoyama, K., 303
Yoneda, N., 435

Zankowska-Jasinska, W., 85

©Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 38

Acetic acid
  acylation of α-SCF_3 substituted β-carbonyl acetic acid and thiacetic acid derivatives with oxalyl chloride, 85
Acetylenes
  F-alkyl-; general facile preparation of, 119
Acrylates
  transparent polymeric materials; synthesis and polymerization of halogenoalkyl acrylates and methacrylates, 47
Acylation
  of α-SCF_3 substituted β-carbonyl acetic acid and thiacetic acid derivatives with oxalyl chloride, 85
Alcohols
  nitro; reactions of, with N,N-diethyl-1,1,2,3,3,3-hexafluoropropylamine, 243
  reaction of SF_4 with; preparation of 2-(fluoromethyl)furan and 2-fluoro-1-phenylethane, 205
Aldehydes
  and alkanes and alkylbenzenes; generation of ^{15}N labelled bis(polyfluoroalkyl) nitroxides and their hydrogen-abstraction reactions with, 391
Alkanes
  and alkylbenzenes and aldehydes; generation of ^{15}N labelled bis(polyfluoroalkyl) nitroxides and their hydrogen-abstraction reactions with, 391
Alkenes, Olefins
  fluorination of hydrogen-containing, with elemental fluorine, 319
Amines
  reactions of nitro alcohols with N,N-diethyl-1,1,2,3,3,3-hexafluoropropylamine, 243
  synthesis of β-fluoroazides; route to primary β-fluoro amines, 163
Aromatic compounds
  some $(CF_3)_2NO$-substituted fluoroaromatics; thermal rearrangement of 4-[bis-(trifluoromethyl)amino-oxy]tetrafluoropyridine; fluorocarbon derivatives of nitrogen, 217
  some derivatives of 4-fluorobenzenethiol, 367
  disproportionation of phenylfluorophosphanes $(C_6H_5)_2PF$ and $(C_6H_5)PF_2$, 335
  electrical properties (permittivity and conductivity); optimum setting for apparatus and study of pyridinium and 3-methyl pyridinium fluorotellurates IV, 341
  facile preparation of fluoropyridines from aminopyridines via diazotization and fluorodediazoniation in HF or HF–pyridine solutions, 435
  fluorine-containing heterocyclic compounds; reactions of 3,5-dinitro-2-chlorobenzotrifluoride and 3,5-dinitro-4-chlorobenzotrifluoride with sulphur and nitrogen-containing nucleophiles, 327
  generation of ^{15}N labelled bis(polyfluoroalkyl) nitroxides and their hydrogen-abstraction reactions with alkanes, alkylbenzenes and aldehydes, 391
  one-pot synthesis of pentafluoro- and polyfluorophenyl alkyl ketones, 175
  preparation and thermolysis reactions of allyl 3,4,5,6,7,8-hexafluoroquinolin-2-yl ether, allyl 2,3,5,6,7,8-hexafluoroquinolin-4-yl ether and allyl 3,4,5,6,7,8-hexafluoroisoquinolin-1-yl ether, 421
  reaction of β-dicarbonyl compounds with trifluoromethylsulphenyl chloride; synthesis of 3-SCF_3 substituted 2- and 4-quinolinones, 257
  reaction of SF_4 with alcohols; preparation of 2-(fluoromethyl)furan and 2-fluoro-1-phenylethane, 205
  selective preparation of 1-substituted 2,2-difluoroethenyl phosphates or 1-hydroxyalkanephosphonates through reaction of chlorodifluoromethyl ketones with dialkyl or diaryl phosphites, 263
  synthesis:
    of indolizines from N-(2,2,2-trifluoroethyl)pyridinium triflate; evidence for generation of pyridinium (trifluoromethyl)methylide, 289
    and mass spectral studies of fluorine containing 5a, 7b, 12a, 14b-tetrahydrobisindolo [2,3-b:2′,3′-b′] benzo [1,2-d:4,5-d′] difurans, 153

©Elsevier Sequoia/Printed in The Netherlands

of perfluorochemicals for use as blood substitutes; electrochemical fluorination of quinolizidine, 4-methylquinolizidines and 4-trifluoromethylquinolizidines, 303
and polymerization of some ethynyl trifluoromethyl naphthalenes, 139
and pulse radiolytic studies of mono- and polyfluorinated biphenyls, 209
thermal decomposition of perfluoro-[2-(dimethylamino-oxy)-1-azacyclohexene]; fluorocarbon derivatives of nitrogen, 279

Arsenic
arsenic pentafluoride equilibria in anhydrous hydrogen fluoride, 405

Azacyclohexene
fluorocarbon derivatives of nitrogen; thermal decomposition of perfluoro-[2-(dimethylamino-oxy)-1-azacyclohexene], 279

Azides
synthesis of β-fluoroazides; route to primary β-fluoro amines, 163

Blood substitutes
synthesis of perfluorochemicals for use as; electrochemical fluorination of quinolizidine, 4-methylquinolizidines and 4-trifluoromethylquinolizidines, 303

Caesium
electrical properties (permittivity and conductivity) of Na, K, Rb and Cs fluorotellurates IV, 355

Carbonyl
acylation of α-SCF_3 substituted β-carbonyl acetic acid and thiacetic acid derivatives with oxalyl chloride, 85
reaction of β-dicarbonyl compounds with trifluoromethylsulphenyl chloride; synthesis of 3-SCF_3 substituted 2- and 4-quinolinones, 257

Chlorine
acylation of α-SCF_3 substituted β-carbonyl acetic acid and thiacetic acid derivatives with oxalyl chloride, 85
fluorine-containing heterocyclic compounds; reactions of 3,5-dinitro-2-chlorobenzotrifluoride and 3,5-dinitro-4-chlorobenzotrifluoride with sulphur and nitrogen-containing nucleophiles, 327
preparation of [^{36}Cl]-chlorine labelled 1,1-dichlorotetrafluoroethane, 115
reaction of β-dicarbonyl compounds with trifluoromethylsulphenyl chloride; synthesis of 3-SCF_3 substituted 2- and 4-quinolinones, 257
selective preparation of 1-substituted 2,2-difluoroethenyl phosphates or 1-hydroxyalkanephosphonates through reaction of chlorodifluoromethyl ketones with dialkyl or diaryl phosphites, 263

Diazotization
and fluorodediazoniation in HF or HF–pyridine solutions; facile preparation of fluoropyridines from aminopyridines via, 435

Disproportionation
of phenylfluorophosphanes $(C_6H_5)_2PF$ and $(C_6H_5)PF_2$, 335

Electrical properties
permittivity and conductivity:
of Na, K, Rb and Cs fluorotellurates IV, 355
optimum setting for apparatus and study of pyridinium and 3-methyl pyridinium fluorotellurates IV, 341

Ether
preparation and thermolysis reactions of allyl 3,4,5,6,7,8-hexafluoroquinolin-2-yl ether, allyl 2,3,5,6,7,8-hexafluoroquinolin-4-yl ether and allyl 3,4,5,6,7,8-hexafluoroisoquinolin-1-yl ether, 421

Fluorides

Arsenic pentafluoride equilibria in anhydrous hydrogen fluoride, 405
Facile preparation of fluoropyridines from aminopyridines via diazotization and fluorodediazoniation in HF or HF–pyridine solutions, 435
Li^+, F^- ionic mobility in lithium fluoride glasses prepared from thorium tetrafluoride (NMR study), 375

tri-

Fluorine-containing heterocyclic compounds; reactions of 3,5-dinitro-2-chlorobenzotrifluoride and 3,5-dinitro-4-chlorobenzotrifluoride with sulphur and nitrogen-containing nucleophiles, 327

tetra-

Reaction of SF_4 with alcohols; preparation of 2-(fluoromethyl)furan and 2-fluoro-1-phenylethane, 205

hexa-

Cubic Rb_2MnF_6, 107

Fluorination

Electrochemical, of quinolizidine, 4-methylquinolizidines and 4-trifluoromethylquinolizidines; synthesis of perfluorochemicals for use as blood substitutes, 303

Of hydrogen-containing olefins with elemental fluorine, 319

Fluorine

Controversional formation of elemental fluorine in chemical process, 135

Fluorination of hydrogen-containing olefins with elemental fluorine, 319

Fluorine-containing heterocyclic compounds; reactions of 3,5-dinitro-2-chlorobenzotrifluoride and 3,5-dinitro-4-chlorobenzotrifluoride with sulphur and nitrogen-containing nucleophiles, 327

Li^+, F^- ionic mobility in lithium fluoride glasses prepared from thorium tetrafluoride (NMR study), 375

Synthesis and mass spectral studies of fluorine containing 5a, 7b, 12a, 14b-tetrahydrobisindolo [2,3-b:2′,3′-b′] benzo [1,2-d:4,5-d′] difurans, 153

Fluoro-compounds

Acylation of α-SCF_3 substituted β-carbonyl acetic acid and thiacetic acid derivatives with oxalyl chloride, 85

Some derivatives of 4-fluorobenzenethiol, 367

Disproportionation of phenylfluorophosphanes $(C_6H_5)_2PF$ and $(C_6H_5)PF_2$, 335

Electrical properties (permittivity and conductivity):
- of Na, K, Rb and Cs fluorotellurates IV, 355
- optimum setting for apparatus and study of pyridinium and 3-methyl pyridinium fluorotellurates IV, 341

Facile preparation of fluoropyridines from aminopyridines via diazotization and fluorodediazoniation in HF or HF–pyridine solutions, 435

Fluorocarbon derivatives of nitrogen:
- some $(CF_3)_2NO$-substituted fluoroaromatics; thermal rearrangement of 4-[bis(trifluoromethyl)amino-oxy]tetrafluoropyridine, 217
- thermal decomposition of perfluoro-[2-(dimethylamino-oxy)-1-azacyclohexene], 279

New fluorosulphonyl-containing monomers/polymers, 3

General facile preparation of F-alkylacetylenes, 119

Influence of F-alkyl groupings on reactivity of alkyl (F-alkyl) ketones R–CO–R_F w.r.t. organometallic compounds, 19

One-pot synthesis of pentafluoro- and polyfluorophenyl alkyl ketones, 175

Preparation and structural investigations of fluorinated tungsten(VI) alkoxides, 187

Reaction of SF_4 with alcohols; preparation of 2-(fluoromethyl)furan and 2-fluoro-1-phenylethane, 205

Synthesis:
- of β-fluoroazides; route to primary β-fluoro amines, 163
- and mass spectral studies of fluorine containing 5a, 7b, 12a, 14b-tetrahydrobisindolo [2,3-b:2′,3′-b′] benzo [1,2-d:4,5-d′] difurans, 153
- of perfluorochemicals for use as blood substitutes; electrochemical fluorination of quinolizidine, 4-methylquinolizidines and 4-trifluoromethylquinolizidines, 303
- and polymerization of halogenoalkyl acrylates and methacrylates; transparent polymeric materials, 47
- and pulse radiolytic studies of mono- and polyfluorinated biphenyls, 209

Theoretical calculation of singlet–singlet electronic transition and photochemical reactivity in fluoroxytrifluoromethane, fluoroperoxytrifluoromethane, bis(trifluoromethyl)peroxide and bis(trifluoromethyl)-trioxide, 75

Unit cell dimensions of some oxofluorometallates of transition metals, 183

di-

α,α-Difluoro Reformatsky reagent; pregeneration and structural determination, 125

N-difluorophosphoryl-N′N″-bis(t-butyl)sulphur triimide, 399

Selective preparation of 1-substituted 2,2-difluoroethenyl phosphates or 1-hydroxyalkanephosphonates through reaction of chlorodifluoromethyl ketones with dialkyl or diaryl phosphites, 263

Synthesis of metallic difluorodioxophosphates from difluorophosphoryl oxide, 297

tri-

Reaction of β-dicarbonyl compounds with trifluoromethylsulphenyl chloride; synthesis of 3-SCF_3 substituted 2- and 4-quinolinones, 257

Synthesis of indolizines from N-(2,2,2-trifluoroethyl)pyridinium triflate; evidence for gen-

eration of pyridinium (trifluoromethyl)-methylide, 289
Synthesis and polymerization of some ethynyl trifluoromethyl naphthalenes, 139
Thermolysis of (trifluoromethyl)germanium halides, 41

tetra-
Preparation of [^{36}Cl]-chlorine labelled 1,1-dichlorotetrafluoroethane, 115

penta-
Preparation of *Z*-1-iodopentafluoropropene, 131

hexa-
Preparation and thermolysis reactions of allyl 3,4,5,6,7,8-hexafluoroquinolin-2-yl ether, allyl 2,3,5,6,7,8-hexafluoroquinolin-4-yl ether and allyl 3,4,5,6,7,8-hexafluoroisoquinolin-1-yl ether, 421
Reactions of nitro alcohols with N,N-diethyl-1,1,2,3,3,3-hexafluoropropylamine, 243

poly-
Generation of ^{15}N labelled bis(polyfluoroalkyl) nitroxides and their hydrogen-abstraction reactions with alkanes, alkylbenzenes and aldehydes, 391
Transformation of alkyl and polyfluoroalkyl oxides by Lewis acids; influence of alkyl radicals, 95

per-
Novel synthesis of perfluoroalkyl alkyl ketones, 249

Germanium
thermolysis of (trifluoromethyl)germanium halides, 41
Glasses
lithium tetrafluoride; Li^+, F^- ionic mobility in, prepared from thorium tetrafluoride (NMR study), 375

Halides
thermolysis of (trifluoromethyl)germanium halides, 41
Halogeno-compounds
transparent polymeric materials; synthesis and polymerization of halogenoalkyl acrylates and methacrylates, 47
Heterocyclic compounds
fluorine-containing; reactions of 3,5-dinitro-2-chlorobenzotrifluoride and 3,5-dinitro-4-chlorobenzotrifluoride with sulphur and nitrogen-containing nucleophiles, 327
Hydrogen
fluorination of hydrogen-containing olefins with elemental fluorine, 319
generation of ^{15}N labelled bis(polyfluoroalkyl) nitroxides and their hydrogen-abstraction reactions with alkanes, alkylbenzenes and aldehydes, 391

Imide
N-difluorophosphoryl-N′N″-bis(t-butyl)-sulphur triimide, 399
Indolizines
synthesis of, from N-(2,2,2-trifluoroethyl)-pyridinium triflate; evidence for generation of pyridinium (trifluoromethyl)-methylide, 289
Iodine
preparation of *Z*-1-iodopentafluoropropene, 131
Ionic mobility
Li^+, F^-; in lithium fluoride glasses prepared from thorium tetrafluoride (NMR study), 375

Ketones
influence of F-alkyl groupings on reactivity of alkyl (F-alkyl) ketones $R-CO-R_F$ w.r.t. organometallic compounds, 19
one-pot synthesis of pentafluoro- and polyfluorophenyl alkyl ketones, 175
selective preparation of 1-substituted 2,2-difluoroethenyl phosphates or 1-hydroxyalkanephosphonates through reaction of chlorodifluoromethyl ketones with dialkyl or diaryl phosphites, 263
novel synthesis of perfluoroalkyl alkyl ketones, 249

Lewis acids
transformation of alkyl and polyfluoroalkyl oxides by; influence of alkyl radicals, 95
Lithium
Li^+, F^- ionic mobility in lithium fluoride glasses prepared from thorium tetrafluoride (NMR study), 375

Manganese
cubic Rb_2MnF_6, 107
Monomers
/polymers; new fluorosulphonyl-containing, 3

Naphthalenes
synthesis and polymerization of some ethynyl trifluoromethyl naphthalenes, 139
Nitrogen
fluorine-containing heterocyclic compounds; reactions of 3,5-dinitro-2-chlorobenzotrifluoride and 3,5-dinitro-4-chlorobenzotrifluoride with sulphur and nitrogen-containing nucleophiles, 327
fluorocarbon derivatives of:
some $(CF_3)_2NO$-substituted fluoroaromatics; thermal rearrangement of 4-[bis(trifluoromethyl)amino-oxy]-tetrafluoropyridine, 217
thermal decomposition of perfluoro-[2-(dimethylamino-oxy)-1-azacyclohexene], 279
generation of ^{15}N labelled bis(polyfluoroalkyl) nitroxides and their hydrogen-abstraction reactions with alkanes, alkylbenzenes and aldehydes, 391
reactions of nitro alcohols with N,N-diethyl-1,1,2,3,3,3-hexafluoropropylamine, 243

Olefins: see Alkenes
Organometallic compounds
influence of F-alkyl groupings on reactivity of alkyl (F-alkyl) ketones $R-CO-R_F$ w.r.t., 19

Peroxide
theoretical calculation of singlet–singlet electronic transition and photochemical reactivity in fluoroxytrifluoromethane, fluoroperoxytrifluoromethane, bis-(trifluoromethyl)peroxide and bis-(trifluoromethyl)trioxide, 75
Phosphorus
disproportionation of phenylfluorophosphanes $(C_6H_5)_2PF$ and $(C_6H_5)PF_2$, 335
N-difluorophosphoryl-N′N″-bis(t-butyl)-sulphur triimide, 399
selective preparation of 1-substituted 2,2-difluoroethenyl phosphates or 1-hydroxyalkanephosphonates through reaction of chlorodifluoromethyl ketones with dialkyl or diaryl phosphites, 263
synthesis of metallic difluorodioxophosphates from difluorophosphoryl oxide, 297
Photochemical reactivity
and singlet–singlet electronic transition; theoretical calculation of, in fluoroxytrifluoromethane, fluoroperoxytrifluoromethane, bis(trifluoromethyl)-peroxide and bis(trifluoromethyl)-trioxide, 75
Polymerization
and synthesis:
of some ethynyl trifluoromethyl naphthalenes, 139
of halogenoalkyl acrylates and methacrylates; transparent polymeric materials, 47
Polymers
/monomers; new fluorosulphonyl-containing, 3
transparent polymeric materials; synthesis and polymerization of halogenoalkyl acrylates and methacrylates, 47
Potassium
electrical properties (permittivity and conductivity) of Na, K, Rb and Cs fluorotellurates IV, 355
Pulse radiolytic studies
and synthesis of mono- and polyfluorinated biphenyls, 209

Quinolinones
reaction of β-dicarbonyl compounds with trifluoromethylsulphenyl chloride; synthesis of 3-SCF_3 substituted 2- and 4-quinolinones, 257
Quinolizidine
synthesis of perfluorochemicals for use as blood substitutes; electrochemical fluorination of quinolizidine, 4-methylquinolizidines and 4-trifluoromethylquinolizidines, 303

Reformatsky reagent
α,α-difluoro; pregeneration and structural determination, 125
Rubidium
cubic Rb_2MnF_6, 107
electrical properties (permittivity and conductivity) of Na, K, Rb and Cs fluorotellurates IV, 355

Singlet–singlet electronic transition
and photochemical reactivity; theoretical calculation of, in fluoroxytrifluoromethane, fluoroperoxytrifluoromethane, bis(trifluoromethyl)peroxide and bis-(trifluoromethyl)trioxide, 75
Sodium
electrical properties (permittivity and conductivity) of Na, K, Rb and Cs fluorotellurates IV, 355

Spectroscopy
Li^+, F^- ionic mobility in lithium fluoride glasses prepared from thorium tetrafluoride (NMR study), 375
synthesis and mass spectral studies of fluorine containing 5a, 7b, 12a, 14b-tetrahydrobisindolo [2,3-b:2′,3′-b′] benzo [1,2-d:4,5-d′] difurans, 153
Sulphur
acylation of α-SCF_3 substituted β-carbonyl acetic acid and thiacetic acid derivatives with oxalyl chloride, 85
some derivatives of 4-fluorobenzenethiol, 367
fluorine-containing heterocyclic compounds; reactions of 3,5-dinitro-2-chlorobenzotrifluoride and 3,5-dinitro-4-chlorobenzotrifluoride with sulphur and nitrogen-containing nucleophiles, 327
new fluorosulphonyl-containing monomers/polymers, 3
N-difluorophosphoryl-N′N″-bis(t-butyl)-sulphur triimide, 399
reaction of β-dicarbonyl compounds with trifluoromethylsulphenyl chloride; synthesis of 3-SCF_3 substituted 2- and 4-quinolinones, 257
reaction of SF_4 with alcohols; preparation of 2-(fluoromethyl)furan and 2-fluoro-1-phenylethane, 205

Tellurium
electrical properties (permittivity and conductivity): Na, K, Rb and Cs fluorotellurates IV, 355
optimum setting for apparatus and study of pyridinium and 3-methyl pyridinium fluorotellurates IV, 341
Thermal decomposition
of perfluoro-[2-(dimethylamino-oxy)-1-azacyclohexene]; fluorocarbon derivatives of nitrogen, 279
Thermal rearrangement
of 4-[bis(trifluoromethyl)amino-oxy]tetrafluoropyridine; fluorocarbon derivatives of nitrogen: some $(CF_3)_2NO$-substituted fluoroaromatics, 217
Thermolysis
reactions and preparation of allyl 3,4,5,6,7,8-hexafluoroquinolin-2-yl ether, allyl 2,3,5,6,7,8-hexafluoroquinolin-4-yl ether and allyl 3,4,5,6,7,8-hexafluoroisoquinolin-1-yl ether, 421
of (trifluoromethyl)germanium halides, 41
Thorium
Li^+, F^- ionic mobility in lithium fluoride glasses prepared from thorium tetrafluoride (NMR study), 375
Transition metals
unit cell dimensions of some oxofluorometallates of, 183
Tungsten
preparation and structural investigations of fluorinated tungsten(VI) alkoxides, 187